

# **Nez Perce Clearwater NF Forest Plan Revision**

- **Watershed Systems Overview**
- **Forest Plan Components**
  - **Municipal Watersheds**
  - **Water Quality and Quantity**

**Watershed Systems**

**Watershed Integrity**

**Structure**

**Composition**

**Function**

**Connectivity**

# Watershed Systems

## Structure

**Watersheds**

```
graph TD; W[Watersheds] --- U[Uplands (terrestrial)]; W --- R[Riparian]; W --- C[Channels (aquatics)]; U -.- R; R -.- C; U --- V[Vegetation, Soils, Water, Groundwater = Habitat for Wildlife and Fish]; R --- V; C --- V
```

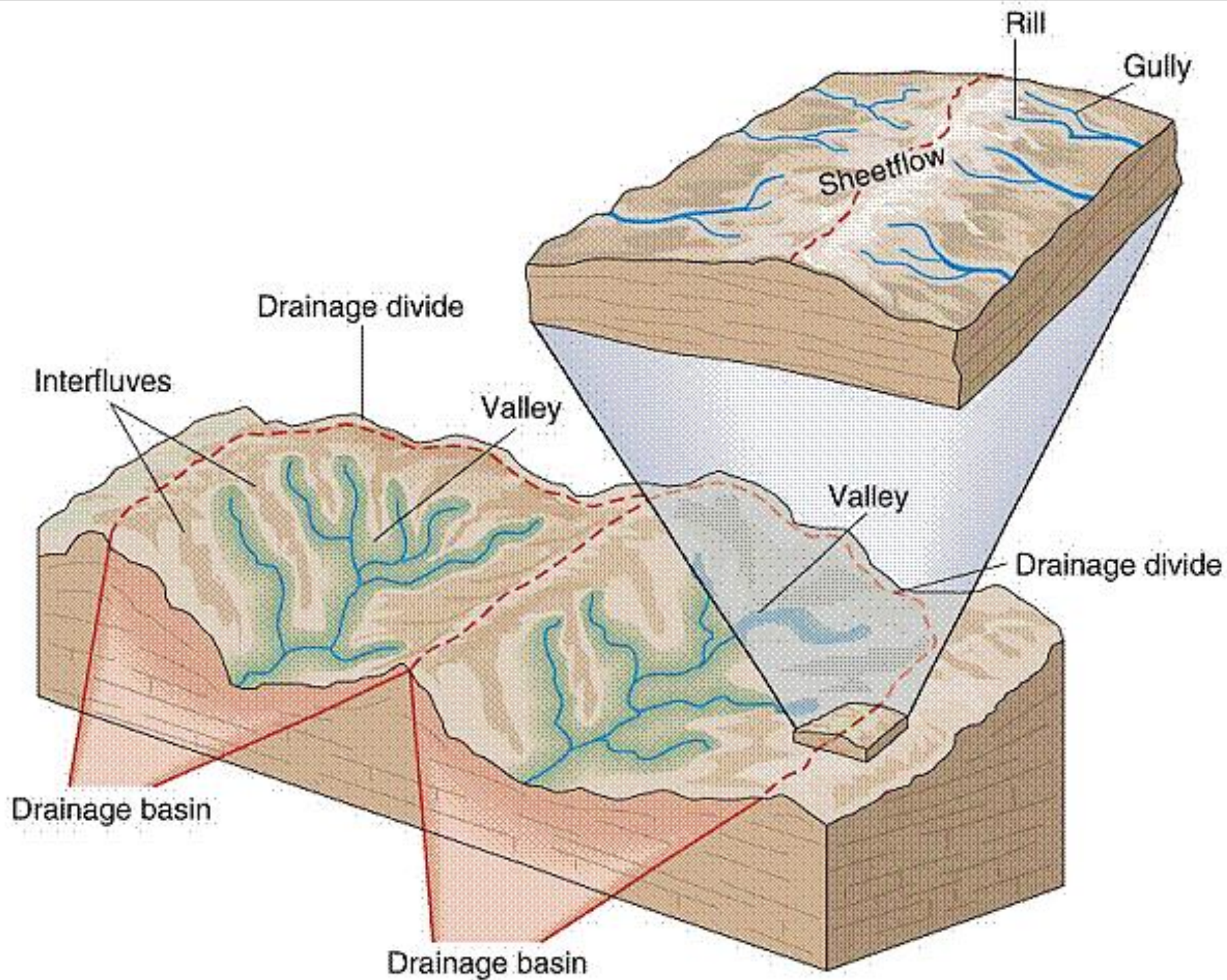
The diagram illustrates the structure of a watershed system. At the top is a box labeled 'Watersheds'. Below it are three boxes: 'Uplands (terrestrial)', 'Riparian', and 'Channels (aquatics)'. These three boxes are connected by solid lines to a bottom box labeled 'Vegetation, Soils, Water, Groundwater = Habitat for Wildlife and Fish'. Additionally, 'Uplands (terrestrial)' and 'Channels (aquatics)' are connected to 'Riparian' by dashed lines.

**Uplands  
(terrestrial)**

**Riparian**

**Channels  
(aquatics)**

**Vegetation, Soils, Water, Groundwater  
=  
Habitat for Wildlife and Fish**



# Watershed Systems

## Composition

### Watersheds

```
graph TD; Watersheds --> Uplands["Uplands (terrestrial)"]; Watersheds --> Riparian; Watersheds --> Channels["Channels (aquatics)"]; Uplands -.- Riparian; Riparian -.- Channels; Uplands --> Outcomes["Fish/Wildlife species, Groundwater Dependent Ecosystems, Water Quality, Soil Productivity, Timber"]; Riparian --> Outcomes; Channels --> Outcomes;
```

**Uplands  
(terrestrial)**

**Riparian**

**Channels  
(aquatics)**

**Fish/Wildlife species, Groundwater  
Dependent Ecosystems, Water Quality,  
Soil Productivity, Timber**

# Watershed Systems

## Function

### Watersheds

```
graph TD; Watersheds --> Uplands["Uplands (terrestrial)"]; Watersheds --> Riparian; Watersheds --> Channels["Channels (aquatics)"]; Uplands -.- Riparian; Riparian -.- Channels; Uplands --> EcosystemServices["Ecosystem Services (water filtration, flood control, Climate regulation, Soil nutrient cycling, Carbon Sequestration), System Drivers"]; Riparian --> EcosystemServices; Channels --> EcosystemServices;
```

**Uplands  
(terrestrial)**

**Riparian**

**Channels  
(aquatics)**

**Ecosystem Services** (water filtration,  
flood control, Climate regulation, Soil  
nutrient cycling, Carbon Sequestration),  
**System Drivers**

# **Watershed Systems**

## **System Drivers**

**Wildfire**

**Floods**

**Climate Change**

**Management Activities**

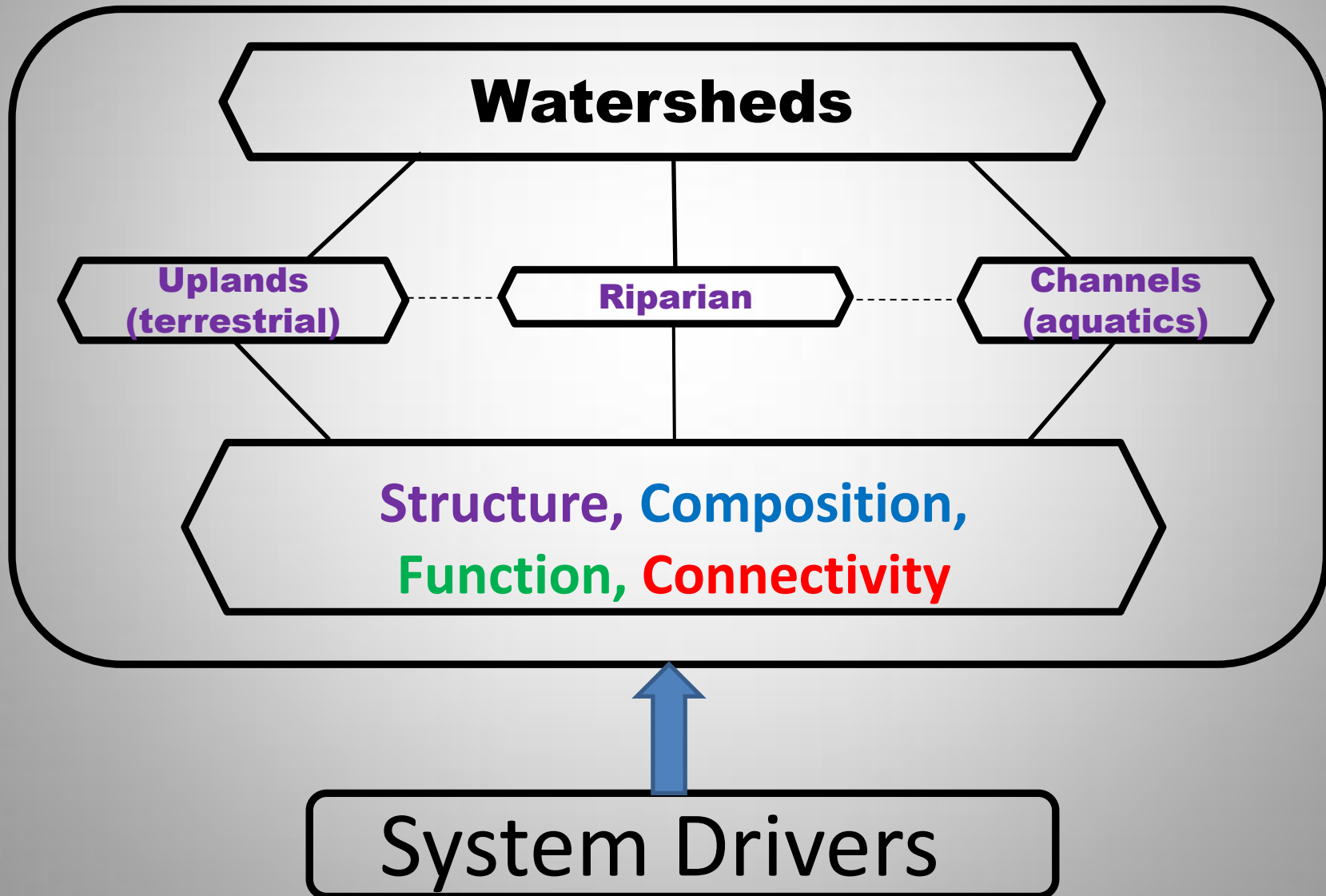
**Insects/Disease**

**Invasive Species**



# Watershed Systems

## Watershed Integrity





# **Forest Plan Components**

- **Municipal Watersheds**
- **Water Quality and Quantity**

# **Forest Plan Components**

- **Relevant Laws and Regulations**
  - **Clean Water Act**
  - **Safe Drinking Water Act**
  - **Organic Act**
  - **National Forest Management Act**
  - **National Environmental Policy Act**
  - **Endangered Species Act**
  - **Idaho Rules for Public Drinking Water**
  - **Idaho's Water Quality Standards**

# **Forest Plan Components**

- **Desired Conditions, Objectives, Standards, and Guidelines**
  - **Maintain Clean Water**
  - **Prevent pollution or degradation**
  - **Restore Impaired waters**